

## DIVERSITY COMMUNICATION SYSTEM AND METHOD OF OPERATION THEREOF

## Abstract

The invention is a diversity radio reception system and process of operation. At least two diversity radio signals are received each containing a sequence of corresponding data units which are each subject to an intermittent error from one to  $Y$  data units in duration wherein  $Y$  is an integer equal to at least one. Corresponding data units of the sequence of data units of the at least two diversity radio signals are compared to identify at least one corresponding data unit in the at least two diversity radio signals which differs. When no difference in at least one corresponding data unit is identified, one of the at least two sequences of corresponding data units are outputted. When at least one difference in at least one data unit of the sequence of corresponding data units is identified, each data unit within the at least one difference of the sequence of corresponding data units is processed to output each data unit within each difference having a higher probability of not containing an error.

[illegible]